## I Claim:

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1. A cooling system for an engine comprising:

an electronically controlled actuator responsive to a control signal;

an airflow adjusting mechanism coupled to said actuator that adjusts airflow in the engine due to action of said actuator;

a coolant adjusting mechanism coupled to said actuator that adjusts coolant flow through the engine due to action of said actuator; and

a controller for generating said signal based on an engine operating condition.

- 2. The system of claim 1, wherein said electronically controlled actuator is a hydraulic actuator.
  - 3. The system of claim 1, wherein said electronically controlled actuator is a pneumatic actuator.
  - 4. The system of claim 1, wherein said electronically controlled actuator is an electro-mechanical actuator.
    - 5. The system of claim 1, wherein said electronically controlled actuator is an electro-magneto-mechanical actuator.

- 6. The system of claim 1, wherein said airflow adjusting mechanism is a variable speed fan.
- 7. The system of claim 1, wherein said airflow adjusting mechanism is a variable pitch blade fan.
  - 8. The system of claim 1, wherein said coolant adjusting mechanism is a variable speed pump.
  - 9. The system of claim 1, wherein said coolant adjusting mechanism is a fixed-seed pump having an adjustable by-pass valve.

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- 10. The system of claim 1, wherein said coolant adjusting mechanism is a variable displacement pump.
  - 11. The system of claim 1, wherein said engine operating condition includes at least engine speed.
  - 12. The system of claim 1, wherein said engine operating condition includes at least engine coolant temperature.

13. A cooling system for an engine comprising:

an electronically controlled actuator adapted to receive an electrical control signal that varies with operation of the engine;

a fan mechanically coupled to said actuator, said fan adjusted by said actuator; and

a coolant adjusting mechanism mechanically coupled to said actuator, said mechanism adjusted by said actuator.

- 14. The system of claim 13, wherein said coolant adjusting mechanism is a variable speed pump.
  - 15. The system of claim 13, wherein said coolant adjusting mechanism is a fixed-seed pump having an adjustable by-pass valve.
  - 16. The system of claim 13, wherein said coolant adjusting mechanism is a variable displacement pump.
- 20 17. The system of claim 13, wherein said fan is mechanically coupled to said actuator via a shaft.

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18. The system of claim 13, wherein said fan is mechanically coupled to said actuator via a pulley.

- 19. The system of claim 13, wherein said fan is mechanically coupled to said actuator via a clutch.
- 5 20. The system of claim 13, wherein said mechanism is mechanically coupled to said actuator via a shaft.
  - 21. The system of claim 13, wherein said mechanism is mechanically coupled to said actuator via a pulley.
  - 22. The system of claim 13, wherein said mechanism is mechanically coupled to said actuator via a clutch.

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